Structural Steel Paint System Primer- Tie Coat- Urethane Finish

Manufacturer	Brand	Material	
Carboline Company St. Louis MO			
	Carboguard 893	Epoxy Tie Coat	
	Carbothane 133 HB	Polyurethane Topcoat	
	Carbozinc 11	Primer	
	Carbozinc 11 HS	Primer	
PPG Industries, Inc. Little Rock AR			
	Amercoat 385	Epoxy Tie Coat	
	Amercoat 450 H	Polyurethane topcoat	
	Dimetcote 9 VOC	Primer	
The Sherwin Williams Company Cleveland OH			
	HiSolids Polyurethane - B65 Series	Polyurethane topcoat	
	Recoatable Epoxy Primer - B67 Series	Epoxy tie coat	
	Zinc Clad II Ethyl Silicate	Primer	
	Zinc Clad II LV	Primer	5% addition of manufacture's recommended reducer required
	Zinc Clad II Plus	Primer	4% addition of manufacturer's recommended reducer required

Method of Documentation of Acceptance:

By brand and source.

The manufacturer shall furnish a certification for each lot certifying that the materials supplied conform to all the requirements specified and stating that the material is formulated the same as the material tested for manufacturer and brand name approval.

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Method of Approval:

- **The paint system shall consist of an inorganic zinc-rich primer, and a finish system consisting of an epoxy tie coat and a two component, high build, aliphatic polyurethane topcoat all from the same manufacturer. All coatings must meet the necessary individual requirements and be compatible within their system. Each coat of the system shall be the type as recommended by the manufacturer.**

- **The various coats shall be sufficiently different in color as to permit detection of incomplete application. The color of the polyurethane paint shall match the Federal Standard 595A Color Chip No. 37200, Aluminum color, unless otherwise specified on the plans.**

- **The manufacturer shall provide the following applicable documentation:**

  - **<u>Inorganic Zinc-Rich Primers</u>**

    - **Certified test reports from an independent testing laboratory showing that the inorganic zinc-rich primer complies with the requirements of AASHTO M 300, Type I, or Type II.**

    - **Certified test reports from an independent testing laboratory showing that the primer shall qualify for a Class A classification (slip coefficient of 0.33 or greater) when tested according to "Testing Methods to Determine the Slip Coefficient for Coatings used in Bolted Joints" in Appendix A of Specification for Structural Joints Using ASTM A 325 or A 490 Bolts as published by AISC.**

  - **<u>Finish System</u>**

    - **Certified test reports from an independent testing laboratory on the mixed urethane paint showing the weight in lb/gal and having a solids content of not less than 57% by volume.**

- **All certified test reports shall include the manufacturer's name, brand name of the paint, date of manufacture, and an infrared spectrum analysis of the paint used in the tests. For multi-component paints, the test reports shall show the exact ratio, by weight, of the components in the final product.**

- **The manufacturer shall provide a sample, and product information, including printed instructions for application.**

- **The manufacturer shall furnish a certification for each lot certifying that the materials supplied conform to all the requirements specified and stating that the material is formulated the same as the material tested for manufacturer and brand name approval.**

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- **When deemed necessary by the Materials Engineer and at a frequency determined by same, samples will be taken and tested on a random basis. These samples must meet all requirements.**

- **Multiple material failures either in the laboratory or in field applications are sufficient reason to consider the removal of the material from the Qualified Products List**

No information contained in these lists is to be used for promotional purposes.

The manufacturer of privately labeled products must be disclosed.